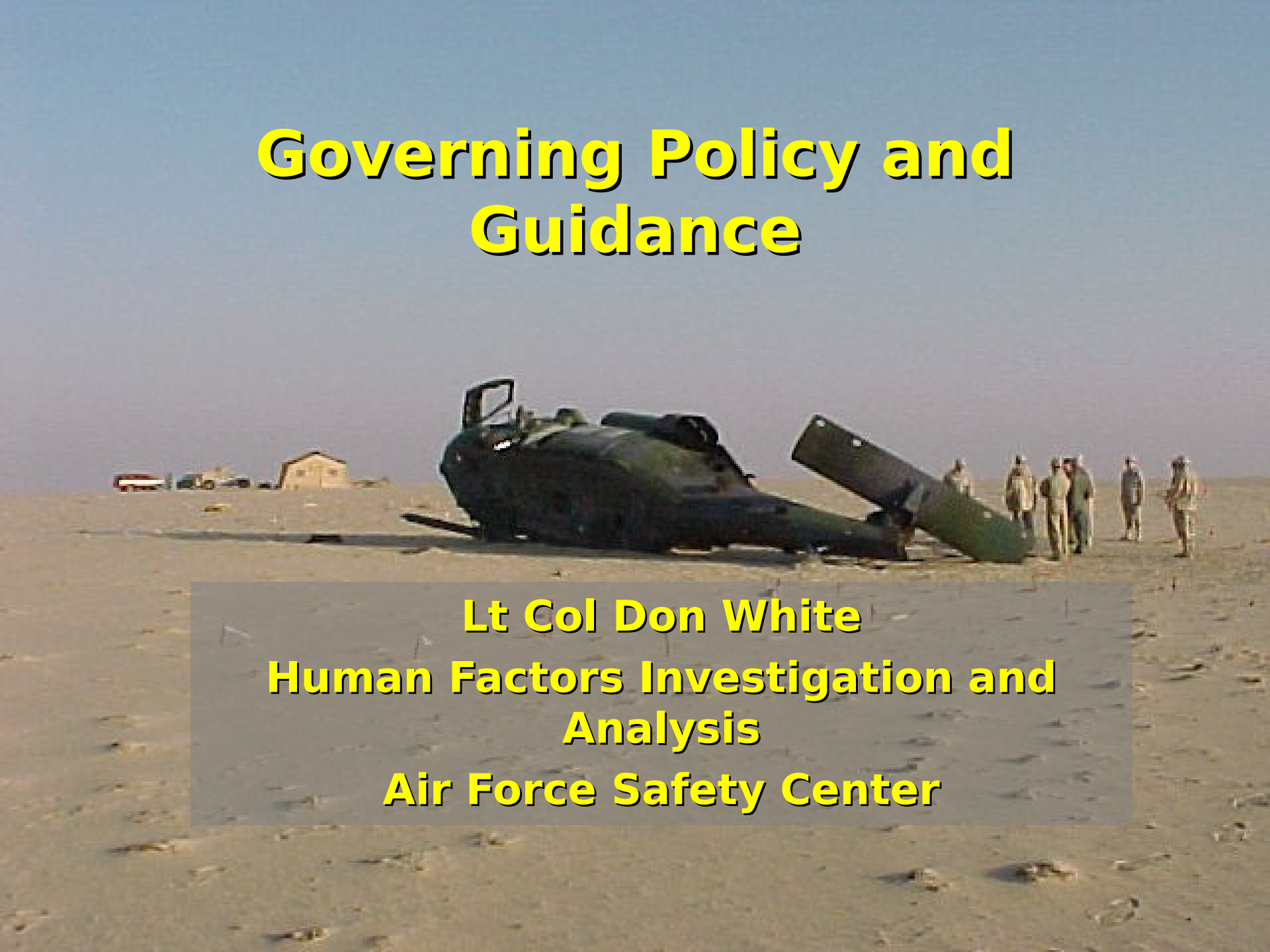
Governing Policy and Guidance



Lt Col Don White

Human Factors Investigation and Analysis

Air Force Safety Center

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Where's the Beef?

- AFI 91-204, Safety Investigations and Reports
- Aircraft Mishap Investigation Handbook
- Life Sciences Report Instruction Book
- AFJI 91-206, participation in a Military or Civilian Accident Safety Investigation
- AFPAM 91-211, USAF Guide to Safety Investigation (DRAFT)

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The Basics
Types of Flight Mishaps

- **Aircraft Flight**
  - Damage to an aircraft with “intent for flight”
- **Aircraft Flight *Related***
  - Damage to property or people from an aircraft with intent for flight
  - No reportable damage to the aircraft
- **Aircraft Ground Operations**
  - Damage to an aircraft without intent for flight

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The Basics
Classes of Mishaps

- **Class A**
  - Greater than $1 million in damage
  - Fatality or permanent total disability
  - Destroyed aircraft
- **Class B**
  - Greater than $200,000 in damage
  - Permanent partial injury
  - Hospitalization of three or more people
- **Class C**
  - Greater than $10,000 damage
  - Lost work day

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The Basics
Lesser Known Mishap Classes

- **Class E**
  - Events that don't meet damage/cost requirements
  - Incidents that are important to trend for mishap prevention
  - Physiological incidents now fall in this category
- **Class J**
  - Engine confided mishaps (not reported as flight mishap)
  - Foreign Object Damage (FOD) or non-FOD
  - If collateral damage to another system or $10,000 not reported as class J

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The Basics
Lesser Known Mishap Classes

- **Class L**
  - Events required by local authorities (not AFI 91-204)
  - Tracked locally for prevention purposes
- **High Accident Potential (HAP)**
  - Under reportable damage/cost for higher class
  - Events with high potential for injury, illness, property damage
  - Largely for safety cross tell
- **Hazardous Air Traffic Report (HATR)**
  - Any hazardous incident that endangers an aircraft
  - Include near misses, ATC errors, Comm/nav anomalies

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Mid-air…

What type of mishap?

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Investigations Why?

Find underlying causes for mishap prevention

Benefit risk management

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Investigations Types

- **Full board**
  - The one most familiar to flight surgeons
  - Most Class A mishaps
  - Full compliment of primary board members
- **Tailored board**
  - Determined by convening authority (owner of the mishap)
  - Consists of board members considered necessary
- **Single investigator**
  - “Simple” mishaps
  - When formal report not required

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Investigations Evidence Gathering

- **Physical**
  - Remains
  - Equipment
  - Examinations and studies
- **Photographic**
  - At the scene
  - Autopsy
- **Witness Statements**
  - Privileged
  - Non-privileged

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Investigations Evidence Disposal

- **All physical and photographic evidence to AIB**
  - Autopsy Report (for fatalities)
  - Toxicology results/Laboratory results
  - X-rays and reports
  - Medical records (no interview data)
  - Post mishap examinations
  - No analysis documents (Tab Y discussion, interviews)
  - No photos *pointing out* objects/situations thought to be important
  - No video *with running commentary*
- **If not in report and not going to the AIB – Shred it**

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Interactions Local Authorities

- **Local Coroner/Medical Examiner**
- **Fire**
- **Host Base**
- **Local Medical**
  - Emergency Care
  - Pathology
  - Local flight surgeon/interim board
- **Safety Center**
  - Help
  - Consultants

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Interactions
Other Investigating Boards

- Interim Board (ISB)
- Mixed military or military/civilian boards
- Legal Board (AIB; AFI 51-503)

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